

files/.htaccess not created when a subdirectory is checked - D6, D7, D8

[View](#) [Edit](#) [Outline](#)Fri, 2010-01-15 23:32 — [Gerhard Killesreiter](#)

Project:	Drupal core
Component:	file system
Category:	bug report
Priority:	normal

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Reported by Markus Kalkbrenner markus.kalkbrenner@cocomore.com
<http://drupal.org/user/124705>

and cspitzlay
<http://drupal.org/user/419305>

You're right. Drupal creates a .htaccess file if you upload a attachment or if you edit a page having attachments enabled.

Nevertheless there's still an issue (which might be less critical). Here're two ways to reproduce it.

First:

1. Install Drupal 6.15. By default module Upload is not enabled.
2. Install contrib module webform
3. Create and publish a webform and add a file field to it.

By default webforms store their files in a sub folder of your upload folder (sites/default/files) called webform (sites/default/files/webform).

Now you can upload files via this webform and no .htaccess file will be created!

Second:

1. Install Drupal 6.15. By default module Upload is not enabled.
2. Install contrib modules cck and filefield
3. Add a file field to content type page using cck and specify a "File Path" at "Path Settings".

This will also create a subfolder under sites/default/files as soon as you upload a file during editing a page. Again no .htaccess file will be created!

[Confidential](#)**Comments**

#1

Fri, 2010-01-15 23:33 — [Gerhard Killesreiter](#)

Project:	Core_legacy	»	Drupal core
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It is a bit unclear to me whether this is a core iussue or one for the mentioned contrib modules (and possibly others).

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#2

Wed, 2010-05-05 18:59 — [drumm](#)

Status:	active	»	patch (code needs review)
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Here is a Drupal 6 patch.

Attachment	Size
1156-6.patch	2.42 KB

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#6

Wed, 2010-08-11 19:00 — [bjaspan](#)

```
<?php
+   if (strpos($directory, $root_directory) === 0 && !is_file($root_directory . '/.htaccess')) {
?>
```

The common case is for a module author to call `file_check_directory(file_directory_path() . '/my/path', ...)`. However, I believe this code requires it, and would fail if someone called (e.g.) `file_check_directory('/' . file_directory_path() . '/my/path', ...)`. In other words, I'm wondering if a couple calls to `realpath()` are warranted.

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#7

Wed, 2010-08-11 19:03 — [drumm](#)

Status: [patch \(code needs review\)](#) » [patch \(code needs work\)](#)

Makes sense.

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#8

Mon, 2011-06-13 20:31 — [pwolanin](#)

Component: [file system](#) » [Code](#)
View grants: [+jvandyk](#)

The same or very similar bug is present in Drupal 7 also:

```
from John VanDyk jvandyk@iastate.edu
reply-to security@drupal.org
to security@drupal.org
date Thu, Jun 9, 2011 at 2:40 PM
subject [security] files directory .htaccess file not created at install
```

Drupal 7.2.

Installed Drupal, looked in sites/default/files. No .htaccess file:

```
$ ls -la sites/default/files/
total 0
drwxrwxr-x 3 _www  wheel 102 Jun  9 13:14 .
drwxr-xr-x 5 jvandyk wheel 170 Jun  9 13:13 ..
drwxrwxr-x 2 _www  wheel  68 Jun  9 13:14 styles
```

Edited "Basic page" content type, added new field of type File. Chose "Public files" as upload destination.

Created a new Basic page and uploaded a file via the new File field I just added.

```
$ ls -la sites/default/files/
total 8
drwxrwxr-x 4 _www  wheel 136 Jun  9 13:21 .
drwxr-xr-x 5 jvandyk wheel 170 Jun  9 13:13 ..
```

```
drwxrwxr-x  2 _www   wheel   68 Jun  9 13:14 styles
-rw-rw-r--  1 _www   wheel   16 Jun  9 13:21 test.txt
```

Still no .htaccess file.

Went to Administration / Configuration / Media and simply clicked "Save configuration".

```
$ ls -la sites/default/files/
```

total 16

```
drwxrwxr-x  5 _www   wheel  170 Jun  9 13:31 .
drwxr-xr-x  5 jvandyk wheel  170 Jun  9 13:13 ..
-r--r--r--  1 _www   wheel   93 Jun  9 13:31 .htaccess
drwxrwxr-x  2 _www   wheel   68 Jun  9 13:14 styles
-rw-rw-r--  1 _www   wheel   16 Jun  9 13:21 test.txt
```

.htaccess file is now present.

Conclusion: any Drupal 7.x installation where the administrator has not clicked the "Save configuration" button at Administration / Configuration / Media does not have the protective .htaccess file in their files directory.

The chance for exploit seems small as the .htaccess file is really only protecting against bad Apache configurations and file_munge_filename() is there to help out, but whatever protection it does offer is absent on new installations.

John

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#12

Fri, 2011-11-04 21:12 — [grendzy](#)

I think this could be public. The .htaccess file is really only a backup layer in case other built-in safeguards fail.

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